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(54) Title: COMPOSITION AND METHOD FOR DRY COW UDDER PROTECTION

(57) Abstract: A composition for dry cow udder protection includes a bimodal interpenetrating polymer system having both cationic and anionic functionalities and capable of forming a stable aqueous solution and ionic bonds between polar chains. The bimodal inter-penetrating polymer system, preferably, includes two acrylate copolymers, Polyacrylate-18 and Polyacrylate-19. The bimodal interpenetrating polymer system is approximately 20% to approximately 40%, by weight, of the aqueous solution, and preferably has a thixotropic viscosity of from approximately 500 cps to approximately 5,000 cps, as measured with a Brookfield Viscometer at 20 rpm with a # 3 spindle. The composition, as part of an aqueous solution, is applied to the region of a cow teat to be protected and allowed to dry, resulting in a water-insoluble protecting film.

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